

Title (en)
CORROSION BARRIER

Title (de)
KORROSIONSSCHUTZSCHICHT

Title (fr)
BARRIÈRE ANTICORROSIVE

Publication
EP 3569732 A1 20191120 (EN)

Application
EP 19174673 A 20190515

Priority
US 201815982290 A 20180517

Abstract (en)
A method of applying a corrosion barrier includes applying a conversion coat (212) onto a component and applying a layer (214) of ceramic material over the conversion coat by atomic layer deposition. The conversion coat and the ceramic material provide corrosion resistance. A component with a corrosion barrier (200) is also disclosed.

IPC 8 full level
C23C 16/40 (2006.01); **C23C 16/455** (2006.01); **C23C 28/04** (2006.01)

CPC (source: EP US)
C23C 16/40 (2013.01 - EP); **C23C 16/402** (2013.01 - US); **C23C 16/403** (2013.01 - US); **C23C 16/405** (2013.01 - US);
C23C 16/45525 (2013.01 - EP); **C23C 16/45555** (2013.01 - US); **C23C 28/042** (2013.01 - EP); **C23C 28/3455** (2013.01 - US);
F28F 19/02 (2013.01 - US); **F28F 2245/04** (2013.01 - US)

Citation (search report)

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- [XI] KR 101659232 B1 20160923 - PUSAN NAT UNIV IND COOP FOUND [KR]
- [XI] GB 2509335 A 20140702 - UNIV TARTU [EE]
- [XYI] US 2017314125 A1 20171102 - FENWICK DAVID [US], et al

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EP3770299A1; EP3808870A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3569732 A1 20191120; US 2019352781 A1 20191121; US 2020087796 A1 20200319

DOCDB simple family (application)
EP 19174673 A 20190515; US 201815982290 A 20180517; US 201916690357 A 20191121